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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/045,034	NISHI, HIROYUKI	
	<b>Examiner</b> Anh Ly	<b>Art Unit</b> 2172	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on 15 January 2002.  
 2a) This action is FINAL.                    2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1-40 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-40 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
     Paper No(s)/Mail Date #5/5/04/04.
- 4) Interview Summary (PTO-413)  
     Paper No(s)/Mail Date. \_\_\_\_\_.  
 5) Notice of Informal Patent Application (PTO-152)  
 6) Other: \_\_\_\_\_.

**DETAILED ACTION**

1. This Office Action is response to Applicant's communications filed on 01/18/2002.
2. Claims 1-40 are pending in this application.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
4. Claims 1-16 and 38-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 5,973,683 issued to Cragun et al. (hereinafter Cragun).

With respect to claim 1, Cragun teaches a personal information collection information creating part that creates personal information collection information specifying at least one piece of information to be sent to a center for a terminal (the viewer or user profile is created or collected via a method of television controlling system and controlling content displayed on TV over a broadcast distribution network

connecting with a computer as a center system to viewer's television set as a receiver: col. 12, lines 12-24 and col. 13, lines 30-67 and col. 14, lines 1-18).

Cragun discloses controlling content displayed on the television (TV) in response to viewers' profile (col. 6, lines 1-28, also see abstract). A broadcast distribution network interconnected with a computer and an information provider as a center system to the viewer's television set at home as a terminal or a receiver (col. 7, lines 40-67) and the information is sending or on a transmission line over a communication links network (col. 8, lines 35-65). Cragun does not clearly specifying at least one piece of information to be sent to a center for a terminal.

However, a local cable provider receiving the signal from a broadcast network distributing to TV having a receiver and the user profile is setup via residential dwelling having TV, which is implementing and controlling the user setup profile, that is, sending information from TV or terminal to center station (col. 7, lines 40-60 and col. 13, lines 30-65).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to utilize the TV implementing the user profile and controlling the content displayed on TV in order to have a content classification value being categorized into desired content and undesired content for viewer over the communication links network.

With respect to claim 2, Cragun teaches a personal information collection information sending part that sends personal information collection information to a terminal (a local cable provider receiving the signal from a broadcast network

distributing to TV having a receiver and the user profile is setup via residential dwelling having TV, which is implementing and controlling the user setup profile, that is, sending information from TV or terminal to center station: col. 7, lines 40-60 and col. 13, lines 30-65).

With respect claim 3, Cragun teaches wherein the personal information collection information is information describing information to be collected in the terminal (view profile is describing viewer's viewing habit, time, program to be watched: col. 12, lines 14-42).

With respect to claim 4, Cragun teaches wherein the personal information collection information is information describing information about a method of sending information collected in the terminal to the center (sending information from viewer center station by checking the mode of TV and configurations: col. 8, lines 1-24).

With respect to claim 5, Cragun teaches wherein personal information collection information different for a different terminal can be sent (col. 7, lines 50-67 and col. 8, lines 1-24).

With respect to claim 6, Cragun teaches an information collecting part that collects terminal information, based on personal information collection information sent from a center ((the viewer or user profile is created or collected via a method of television controlling system and controlling content displayed on TV over a broadcast distribution network connecting with a computer as a center system to viewer's television set as a receiver: col. 12, lines 12-24 and col. 13, lines 30-67 and col. 14, lines 1-18).

Cragun discloses controlling content displayed on the television (TV) in response to viewers' profile (col. 6, lines 1-28, also see abstract). A broadcast distribution network interconnected with a computer and an information provider as a center system to the viewer's television set at home as a terminal or a receiver (col. 7, lines 40-67) and the information is sending or on a transmission line over a communication links network (col. 8, lines 35-65). Cragun does not clearly specifying at least one piece of information to be sent to a center for a terminal.

However, a local cable provider receiving the signal from a broadcast network distributing to TV having a receiver and the user profile is setup via residential dwelling having TV, which is implementing and controlling the user setup profile, that is, sending information from TV or terminal to center station (col. 7, lines 40-60 and col. 13, lines 30-65).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to utilize the TV implementing the user profile and controlling the content displayed on TV in order to have a content classification value being categorized into desired content and undesired content for viewer over the communication links network.

With respect to claim 7, Cragun teaches including an information sending part that sends collected information to the center, based on the personal information collection information (col. 8, lines 1-24).

With respect to claim 8, Cragun teaches wherein information to be collected in the terminal can be specified by a user of the terminal (viewer profile including viewing time and content classification source: col. 12, lines 14-24 and col. 6, lines 1-28).

With respect to claim 9, Cragun teaches wherein information to be collected in the terminal is limited to information within a range admitted by the user of the terminal (content classification value: col. 6, lines 1-28, also see abstract).

With respect to claim 10, Cragun teaches wherein collected information can be sent to the center again when unsuccessfully sent (based on user desired: col. 9, lines 66-67 and col. 10, lines 1-8; also col. 8, lines 56-65).

With respect to claim 11, Cragun teaches processes information sent from a receiver within a range admitted by a user of a terminal (the television program is displayed and shown on viewer's TV is based on the users' content classification values setting up in the profile: col. 9, lines 45-52).

Cragun discloses controlling content displayed on the television (TV) in response to viewers' profile (col. 6, lines 1-28, also see abstract). A broadcast distribution network interconnected with a computer and an information provider as a center system to the viewer's television set at home as a terminal or a receiver (col. 7, lines 40-67) and the information is sending or on a transmission line over a communication links network (col. 8, lines 35-65). Cragun does not clearly teach specifying information sent from a receiver within a ranged admitted by a user of terminal..

However, a local cable provider receiving the signal from a broadcast network distributing to TV having a receiver and the user profile is setup via residential dwelling

having TV, which is implementing and controlling the user setup profile, that is, sending information from TV or terminal to center station and in the profile having viewer's content classification values or users' criteria (col. 9, 47-65 and col. 7, lines 40-60 and col. 13, lines 30-65).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to utilize the TV implementing the user profile and controlling the content displayed on TV in order to have a content classification value being categorized into desired content and undesired content for viewer over the communication links network.

With respect to claim 12, Cragun teaches wherein processed information is sent to the terminal (sending signal from station to TV's receiver: col. 8, lines 1-24).

With respect to claim 13, Cragun teaches a database storing information sent from a receiver, and includes a personal information management part that controls access to the database (the content classification values for television are received and stored in database in order for response to viewer's request for viewing a program: see abstract).

Cragun discloses controlling content displayed on the television (TV) in response to viewers' profile (col. 6, lines 1-28, also see abstract). A broadcast distribution network interconnected with a computer and an information provider as a center system to the viewer's television set at home as a terminal or a receiver (col. 7, lines 40-67) and the information is sending or on a transmission line over a communication links network

(col. 8, lines 35-65). Cragun does not clearly teach storing information sent from a receiver.

However, a local cable provider receiving the signal from a broadcast network distributing to TV having a receiver and the user profile is setup via residential dwelling having TV, which is implementing and controlling the user setup profile, that is, sending information from TV or terminal to center station and in the profile having viewer's content classification values or users' criteria, which are stored in a memory in order for response to viewer's request for viewing a program on TV (col. 6, lines 1-28 and lines 62-676 and col. 7, lines 1-8; also see col. 9, lines 8-45).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to utilize the TV implementing the user profile and controlling the content displayed on TV in order to have a content classification value being categorized into desired content and undesired content for viewer over the communication links network.

With respect to claim 14, Cragun teaches a database storing the results of processing information sent from a receiver, and includes a personal information management part that controls access to the database (the content classification values in viewers profile for television are received and stored in database in order for response to viewer's request for viewing a program: see abstract).

Cragun discloses controlling content displayed on the television (TV) in response to viewers' profile (col. 6, lines 1-28, also see abstract). A broadcast distribution network interconnected with a computer and an information provider as a center system to the

viewer's television set at home as a terminal or a receiver (col. 7, lines 40-67) and the information is sending or on a transmission line over a communication links network (col. 8, lines 35-65). Cragun does not clearly teach storing information sent from a receiver.

However, a local cable provider receiving the signal from a broadcast network distributing to TV having a receiver and the user profile is setup via residential dwelling having TV, which is implementing and controlling the user setup profile, that is, sending information from TV or terminal to center station and in the profile having viewer's content classification values or users' criteria, which are stored in a memory in order for response to viewer's request for viewing a program on TV (col. 6, lines 1-28 and lines 62-676 and col. 7, lines 1-8; also see col. 9, lines 8-45).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to utilize the TV implementing the user profile and controlling the content displayed on TV in order to have a content classification value being categorized into desired content and undesired content for viewer over the communication links network.

With respect to claim 15, Cragun teaches pays an information provision fee to a user of a terminal, corresponding to a range admitted by the user of the terminal (charging customer or viewer credit: col. 12, lines 42-61 and col. 16, lines 1-10).

Cragun discloses controlling content displayed on the television (TV) in response to viewers' profile (col. 6, lines 1-28, also see abstract). A broadcast distribution network interconnected with a computer and an information provider as a center system to the

viewer's television set at home as a terminal or a receiver (col. 7, lines 40-67) and the information is sending or on a transmission line over a communication links network (col. 8, lines 35-65). Cragun does not clearly teach pays an information provision fee.

However, Cragun teaches charging the service and credit to viewer (col. 16, lines 1-10 and col. 12, lines 43-61) and a local cable provider receiving the signal from a broadcast network distributing to TV having a receiver and the user profile is setup via residential dwelling having TV, which is implementing and controlling the user setup profile, that is, sending information from TV or terminal to center station and in the profile having viewer's content classification values or users' criteria, which are stored in a memory in order for response to viewer's request for viewing a program on TV (col. 6, lines 1-28 and lines 62-676 and col. 7, lines 1-8; also see col. 9, lines 8-45).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to utilize the TV implementing the user profile and controlling the content displayed on TV in order to have a content classification value being categorized into desired content and undesired content for viewer over the communication links network.

With respect to claim 16, Cragun teaches wherein a larger information provision fee is paid for a wider range admitted by the user of the terminal (the television program is displayed and shown on viewer's TV is based on the users' content classification values setting up in the profile: col. 9, lines 45-52).

With respect to claim 38, Cragun teaches wherein the method of sending to the center is sending destination information (col. 8, lines 1-24).

With respect to claim 39, Cragun teaches wherein the method of sending to the center is the format of a file to be sent (web page - HTML format file: col. 9, lines 8-16).

With respect to claim 40, Cragun teaches wherein, when the storage capacity of storage unit to store collected information overflows, information collection is stopped (col. 47-67).

5. Claims 17-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over US Patent No. 5,973,683 issued to Cragun et al. (hereinafter Cragun in view of US Patent No. 6,463,585 issued to Hendricks et al. (hereinafter Hendricks.

With respect to claim 17, Cragun teaches wherein: a data sending part of the viewing history using system comprises a personal information collection information creating part that creates and manages personal information collection information specifying a personal information collection range, and a data transmitting part that controls and sends the personal information collection information (creating content classification value associating viewer situation or viewing programming guide from viewer request as view profile and watching censorship also is implemented: see abstract and col. 11, lines 55-67 and col. 12, lines 1-24; and gathering data about content to be watched: col. 15, lines 62-67 and col. 16, lines 1-10; and the information is sending or on a transmission line over a communication links network: col. 8, lines 35-65; a local cable provider receiving the signal from a broadcast network distributing to TV having a receiver and the user profile is setup via residential dwelling having TV,

which is implementing and controlling the user setup profile, that is, sending information from TV or terminal to center station and in the profile having viewer's content classification values or users' criteria, which are stored in a memory in order for response to viewer's request for viewing a program on TV: col. 6, lines 1-28 and lines 62-676 and col. 7, lines 1-8; also see col. 9, lines 8-45).

Cragun discloses controlling content displayed on the television (TV) in response to viewers' profile (col. 6, lines 1-28, also see abstract). A broadcast distribution network interconnected with a computer and an information provider as a center system to the viewer's television set at home as a terminal or a receiver (col. 7, lines 40-67), creating content classification values that are associated with viewer profile data (see abstract) and the information is sending or on a transmission line over a communication links network (col. 8, lines 35-65) and accessing control and viewing habits as viewing history is recorded in the user profile (col. 7, lines 50-67 and col. 8, lines 1-65). Cragun does not clearly teach a receiving terminal to receive the personal information collection information sent from the data sending part comprises an information collecting part that uses the personal information collection information to determine a personal information collection range in the receiving terminal and collect personal information according to the determination result, and a personal information sending part that sends the collected personal information to the data sending part.

However, Hendricks teaches analyzing viewer watching habits (abstract), collecting viewer history data from the set top terminal (col. 28, lines 17-31 and col. 74,

lines 55-67), and viewer profile is stored in a database (col. 44, lines 8-58 and col. 66, lines 28-51).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Cragun with the teachings of Hendricks so as to enable to receiver, send, build and transmit collection viewer information back and forth from viewer's terminal – set top terminal. The motivation being to have a database for storing personal information from which the contents of television to be displayed are accessed and controlled based on viewer profile having content classification values included. And TV implementing the user profile and controlling the content displayed on TV in order to have a content classification value being categorized into desired content and undesired content for viewer over the communication links network from provider to viewer.

With respect to claim 18, Cragun teaches uses a transmission line to send and receive data, wherein the data sending part of the viewing history using system includes a personal information provision fee control part that pays a personal information provision fee when personal information is provided from the receiving terminal (charging the service and credit to viewer: col. 16, lines 1-10 and col. 12, lines 43-61, and a local cable provider receiving the signal from a broadcast network distributing to TV having a receiver and the user profile is setup via residential dwelling having TV, which is implementing and controlling the user setup profile, that is, sending information from TV or terminal to center station and in the profile having viewer's content classification values or users' criteria, which are stored in a memory in order for

response to viewer's request for viewing a program on TV : col. 6, lines 1-28 and lines 62-676 and col. 7, lines 1-8; also see col. 9, lines 8-45).

With respect to claim 19, Cragun teaches uses a transmission line to send and receive data, wherein the data sending part of the viewing history using system includes the personal information provision fee control part that pays a personal information provision fee according to a personal information collection range when personal information is provided from the receiving terminal (charging the service and credit to viewer: col. 16, lines 1-10 and col. 12, lines 43-61, and a local cable provider receiving the signal from a broadcast network distributing to TV having a receiver and the user profile is setup via residential dwelling having TV, which is implementing and controlling the user setup profile, that is, sending information from TV or terminal to center station and in the profile having viewer's content classification values or users' criteria, which are stored in a memory in order for response to viewer's request for viewing a program on TV : col. 6, lines 1-28 and lines 62-676 and col. 7, lines 1-8; also see col. 9, lines 8-45).

With respect to claims 20-21, Cragun teaches uses a transmission line to send and receive data, wherein the data sending part of the viewing history using system, when the receiving terminal sends personal information collected in the receiving terminal to the data sending part, sends sending time data indicating the personal information sending time to the receiving terminal and uses a transmission line to send and receive data, wherein, when sending collected personal information to the data sending part, the receiving terminal adds personal information sending time data as well

(viewing time data: abstract and contents of TV are added and gathering data: col. 2, lines 3-61 and col. 15, lines 64-67 and col. 16, lines 1-10).

With respect to claims 22-25, Cragun teaches uses a transmission line to send and receive data, wherein, when sending the collected personal information to the data sending part, the receiving terminal adds contents address data pointing to the location of a user-accessed information resource as well, uses a transmission line to send and receive data, wherein, when sending the collected personal information to the data sending part, the receiving terminal fetches contents address data collection kind information indicating whether to fetch information perfectly or partially matching the contents address data from the personal information collection information received from the data sending part, and according to the contents address data collection kind information, collects and adds contents address data to the personal information and uses a transmission line to send and receive data, wherein, when sending the collected personal information to the data sending part, the receiving terminal fetches contents address data collection type information indicating whether to fetch information matching or not matching the contents address data from the personal information collection information received from the data sending part, and according to the contents address data collection type information, collects and adds contents address data to the personal information (contents of TV are added and gathering data: col. 2, lines 3-61 and col. 15, lines 64-67 and col. 16, lines 1-10).

With respect to claim 26, Cragun teaches uses a transmission line to send and receive data, wherein, when sending the collected personal information to the data

sending part, the receiving terminal adds user identification data indicating who accessed contents data indicated by the contents address data as well (content classification values including in viewer profile having information about the viewer's viewing habits information: abstract, col. 6, lines 1-28).

With respect to claim 27, Cragun teaches uses a transmission line to send and receive data, wherein a data sending part to send data to a receiving terminal comprises a personal information collection information creating part (creating content classification value associating viewer situation or viewing programming guide from viewer request as view profile and watching censorship also is implemented: see abstract and col. 11, lines 55-67 and col. 12, lines 1-24; and gathering data abut content to be watched: col. 15, lines 62-67 and col. 16, lines 1-10; and the information is sending or on a transmission line over a communication links network: col. 8, lines 35-65; a local cable provider receiving the signal from a broadcast network distributing to TV having a receiver and the user profile is setup via residential dwelling having TV, which is implementing and controlling the user setup profile, that is, sending information from TV or terminal to center station and in the profile having viewer's content classification values or users' criteria, which are stored in a memory in order for response to viewer's request for viewing a program on TV: col. 6, lines 1-28 and lines 62-676 and col. 7, lines 1-8; also see col. 9, lines 8-45).

Cragun discloses controlling content displayed on the television (TV) in response to viewers' profile (col. 6, lines 1-28, also see abstract). A broadcast distribution network interconnected with a computer and an information provider as a center system to the

Art Unit: 2172

viewer's television set at home as a terminal or a receiver (col. 7, lines 40-67), creating content classification values that are associated with viewer profile data (see abstract) and the information is sending or on a transmission line over a communication links network (col. 8, lines 35-65) and accessing control and viewing habits as viewing history is recorded in the user profile (col. 7, lines 50-67 and col. 8, lines 1-65). Cragun does not clearly teach creates and manages personal information collection information specifying a personal information collection range, and a data transmitting part that controls and sends the personal information collection information.

However, Hendricks teaches specifying viewers' programming and controlling the programming (col. 6, lines 22-38, col. 9, lines 22-47 and col. 10, lines 38-60) and analyzing viewer watching habits (abstract), collecting viewer history data from the set top terminal (col. 28, lines 17-31 and col. 74, lines 55-67), and viewer profile is stored in a database (col. 44, lines 8-58 and col. 66, lines 28-51).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Cragun with the teachings of Hendricks so as to enable to receiver, send, build and transmit collection viewer information back and forth from viewer's terminal – set top terminal. The motivation being to have a database for storing personal information from which the contents of television to be displayed are accessed and controlled based on viewer profile having content classification values included. And TV implementing the user profile and controlling the content displayed on TV in order to have a content classification value

Art Unit: 2172

being categorized into desired content and undesired content for viewer over the communication links network from provider to viewer.

With respect to claims 28-29, Cragun teaches uses a transmission line to send and receive data, wherein the data sending part includes a personal information provision fee control part that pays a personal information provision fee when personal information is provided from the receiving terminal and uses a transmission line to send and receive data, wherein the data sending part includes the personal information provision fee control part that pays a personal information provision fee according to a personal information collection range when personal information is provided from the receiving terminal (charging the service and credit to viewer: col. 16, lines 1-10 and col. 12, lines 43-61, and a local cable provider receiving the signal from a broadcast network distributing to TV having a receiver and the user profile is setup via residential dwelling having TV, which is implementing and controlling the user setup profile, that is, sending information from TV or terminal to center station and in the profile having viewer's content classification values or users' criteria, which are stored in a memory in order for response to viewer's request for viewing a program on TV : col. 6, lines 1-28 and lines 62-676 and col. 7, lines 1-8; also see col. 9, lines 8-45).

With respect to claim 30, Cragun teaches uses a transmission line to send and receive data, wherein the data sending part includes a personal information provision status information creating part that, when personal information is provided from the receiving terminal, creates and manages personal information provision status information indicating a personal information provision status (content classification

values including in viewer profile having information about the viewer's viewing habits information: abstract, col. 6, lines 1-28).

With respect to claim 31, Cragun teaches a data sending part and a receiving terminal to receive data sent from the data sending part, and uses a transmission line to send and receive data, wherein the receiving terminal to receive personal information collection information specifying a range of collecting personal information sent from the data sending part includes an information collecting part ((creating content classification value associating viewer situation or viewing programming guide from viewer request as view profile and watching censorship also is implemented: see abstract and col. 11, lines 55-67 and col. 12, lines 1-24; and gathering data abut content to be watched: col. 15, lines 62-67 and col. 16, lines 1-10; and the information is sending or on a transmission line over a communication links network: col. 8, lines 35-65; a local cable provider receiving the signal from a broadcast network distributing to TV having a receiver and the user profile is setup via residential dwelling having TV, which is implementing and controlling the user setup profile, that is, sending information from TV or terminal to center station and in the profile having viewer's content classification values or users' criteria, which are stored in a memory in order for response to viewer's request for viewing a program on TV: col. 6, lines 1-28 and lines 62-676 and col. 7, lines 1-8; also see col. 9, lines 8-45).

Cragun discloses controlling content displayed on the television (TV) in response to viewers' profile (col. 6, lines 1-28, also see abstract). A broadcast distribution network interconnected with a computer and an information provider as a center system to the

viewer's television set at home as a terminal or a receiver (col. 7, lines 40-67), creating content classification values that are associated with viewer profile data (see abstract) and the information is sending or on a transmission line over a communication links network (col. 8, lines 35-65) and accessing control and viewing habits as viewing history is recorded in the user profile (col. 7, lines 50-67 and col. 8, lines 1-65). Cragun does not clearly teach uses the personal information collection information to determine a personal information collection range in the receiving terminal and collect personal information according to the determination result, and a personal information sending part that sends the collected personal information to the data sending part.

However, Hendricks teaches determining information for the viewer within the range of the viewer profile (col. 21, lines 28-44, col. 35, lines 1-65 and col. 75, lines 17-48).

Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teachings of Cragun with the teachings of Hendricks so as to enable to receiver, send, build and transmit collection viewer information back and forth from viewer's terminal – set top terminal. The motivation being to have a database for storing personal information from which the contents of television to be displayed are accessed and controlled based on viewer profile having content classification values included. And TV implementing the user profile and controlling the content displayed on TV in order to have a content classification value being categorized into desired content and undesired content for viewer over the communication links network from provider to viewer.

With respect to claims 32-33, Cragun teaches uses a transmission line to send and receive data, wherein the data sending part of the viewing history using system, when the receiving terminal sends personal information collected in the receiving terminal to the data sending part, sends sending time data indicating the personal information sending time to the receiving terminal and uses a transmission line to send and receive data, wherein, when sending collected personal information to the data sending part, the receiving terminal adds personal information sending time data as well (viewing time data: abstract and contents of TV are added and gathering data: col. 2, lines 3-61 and col. 15, lines 64-67 and col. 16, lines 1-10).

With respect to claims 34-35, Cragun teaches uses a transmission line to send and receive data, wherein, when sending the collected personal information to the data sending part, the receiving terminal adds contents address data pointing to the location of a user-accessed information resource as well and uses a transmission line to send and receive data, wherein, when sending the collected personal information to the data sending part, the receiving terminal fetches contents address data collection kind information indicating whether to fetch information perfectly or partially matching the contents address data from the personal information collection information received from the data sending part, and according to the contents address data collection kind information, collects and adds contents address data to the personal information (viewing time data: abstract and contents of TV are added and gathering data: col. 2, lines 3-61 and col. 15, lines 64-67 and col. 16, lines 1-10; and col. 13, lines 30-67 and col. 14, lines 1-16).

With respect to claims 36-37, Cragun teaches uses a transmission line to send and receive data, wherein, when sending the collected personal information to the data sending part, the receiving terminal fetches contents address data collection type information indicating whether to fetch information matching or not matching the contents address data from the personal information collection information received from the data sending part, and according to the contents address data collection type information, collects and adds contents address data to the personal information and uses a transmission line to send and receive data, wherein, when sending the collected personal information to the data sending part, the receiving terminal adds user identification data indicating who accessed contents data indicated by the contents address data as well (password or login code is used to identifying user identification: col. 4, lines 30-44, co. 9, lines 27-46, col. 13, lines 3-28 and col. 14, lines 19-46).

**Contact Information**

6. Any inquiry concerning this communication should be directed to Anh Ly whose telephone number is (703) 306-4527 or via E-Mail: **ANH.LY@USPTO.GOV**. The examiner can be reached on Monday - Friday from 8:00 AM to 4:00 PM.

If attempts to reach the examiner are unsuccessful, see the examiner's supervisor, John Breene, can be reached on (703) 305-9790.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to: Central Fax Center (703) 872-9306

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Fourth Floor (receptionist).

Inquiries of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3900.



JEAN M. CORRIELUS  
PRIMARY EXAMINER

ANH LY   
JUN 7<sup>th</sup>, 2004